SPYWOLF

Security Audit Report
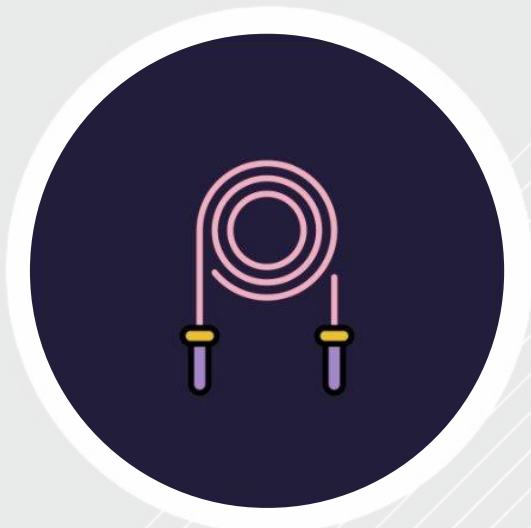
Completed on
June 3, 2022

MADE IN USA 🇺🇸

OVERVIEW

This audit has been prepared for **Skipping Rope Finance** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

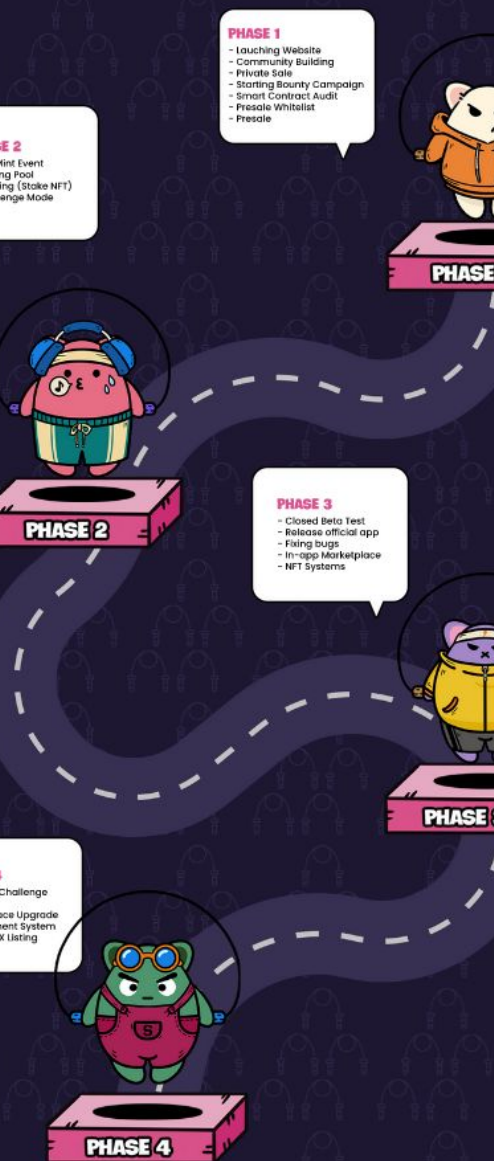– SPYWOLF Team –

SPYWOLF.CO

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Skipping Rope Finance

PROJECT DESCRIPTION

Release Date: June 2, 2022

Category: Move-To-Earn

CONTRACT INFO

Contract Name
SkippingRope

Symbol
SROPE

Contract Address
0x365d8aa8Ad5F4d832240DC9E749Df8bA7f4B8415

Network
Binance Smart Chain

Language
Solidity

Deployment Date
June 2, 2022

Verified?
Yes

Total Supply
200,000,000

Status
Not launched

TAXES

Buy Tax
1%

Sell Tax
7%

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

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CURRENT STATS

(As of June 03, 2022)

Liquidity
Not added yet

Burn
No burnt tokens

Status:
Not Launched!

MaxTxAmount
No limit

LP Address(es)

Liquidity not added yet

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FEATURED WALLETS

Owner address	0x767F10C585B8f8cF3386234bcAE8d6f28D16DA04
Treasury receiver	Same as owner
Auto liquidity receiver	0x9a5818C8fd94c55Ffdc9a952fdd2A866EAE721ad
LP address	Liquidity not added yet

TOP 3 UNLOCKED WALLETS

1

100% Same as owner

2

x n/a

3

n/a
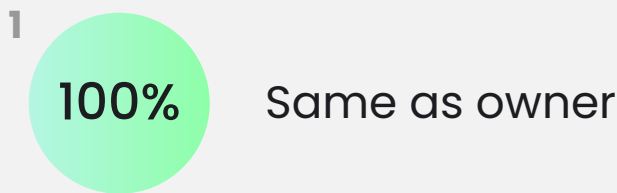
VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

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THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

FOUND THREATS

⚠️ Medium Risk

Owner can set buy/sell fees up to 30% (combined buy+sell=60%).

```
function setTokenRewardsFee(uint256 value) external onlyOwner {
    tokenRewardsFee = value;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}
function setLiquiditFee(uint256 value) external onlyOwner {
    liquidityFee = value;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}
function setMarketingFee(uint256 value) external onlyOwner {
    marketingFee = value;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}
```

- Recommendation:
  - Good fee practice is that buy+sell fees dont exceed 25% combined.

FOUND THREATS

⚠️ High Risk

Owner can blacklist address from trading, making it impossible to sell.

```
function setBotBlacklist(address _botAddress, bool _flag) external onlyOwner {
    require(_botAddress != address(this));
    require(isContract(_botAddress), "only contract address, not allowed exteranlly owned account");
    blacklist[_botAddress] = _flag;
}
```

FOUND THREATS

⚠️ High Risk

No high risk-level threats found in this contract.

⚠️ Medium Risk

Blacklist Function

- Owner can blacklist any address, making it impossible to sell.

```solidity
function updateIsBot(address account, bool state) external onlyOwner {
    isBot[account] = state;
}

function bulkIsBot(address[] memory accounts, bool state) external onlyOwner {
    for (uint256 i = 0; i < accounts.length; i++) {
        isBot[accounts[i]] = state;
    }
}
```

- Recommendation:
  - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque libero nisl, consequat id malesuada eget, laoreet quis lacus. Vestibulum accumsan ex turpis, sed accumsan odio vulputate vitae. In quis lobortis ligula, a vehicula quam.

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⚠️ Low Risk

99% fees Issue

- Owner can set period with 99% fees before trading is enabled.
- Once trading is enabled it can't be disabled.
- Once trading is set to enabled, owner can't change the period value.

```
uint256 private launchtax = 99;

function updatedeadline(uint256 _deadline) external onlyOwner {
    require(!tradingEnabled, "Can't change when trading has been enabled");
    deadline = _deadline;
}



function _transfer(address sender,address recipient,
uint256 amount) internal override {
...............
bool useLaunchFee = !exemptFee[sender] &&
      !exemptFee[recipient] &&
      block.number < genesis_block + deadline;

if (useLaunchFee) {
    feeswap = launchtax;
    feesum = launchtax;
}
...........
}
```

- Recommendation:
  - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque libero nisl, consequat id malesuada eget, laoreet quis lacus. Vestibulum accumsan ex turpis, sed accumsan odio vulputate vitae. In quis lobortis ligula, a vehicula quam.

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ℹ️ Informational

Coding Standards

- Line # 125: Dead Code
  - _burn() function - line #857-872 is not used.
    _setRoleAdmin() function - line #441-445 is not used.
    toHexString() function - line #158-169 is not used.
    toString() function - line #133-153 is not used.

Recommendation
- Remove unused functions for code clarity and easier review.

- Public functions that should be declared external
  - The following functions are declared as public and are not invoked in any of the contracts contained within the project's scope.
    - rescueForeignTokens() - Line #328
      setFee() - Line #333
      setNewMarketingAddress() - Line #345
      toggleSwap() - Line #421
      excludeMultipleAccountsFromFees() - Line #425

Recommendation
- We advise that the functions' visibility specifiers are set to external to save gas,

RECOMMENDATIONS FOR
GOOD PRACTICES

1 Consider fundamental tradeoffs

2 Be attentive to blockchain properties

3 Ensure careful rollouts

4 Keep contracts simple

5 Stay up to date and track development

Skipping Rope
GOOD PRACTICES FOUND

✔ The owner cannot mint new tokens after deployment

✔ The owner cannot stop or pause the contract

✔ The owner can't set a transaction limit

✔ The smart contract utilizes "SafeMath" to prevent overflows

*The following tokenomics are based on the project's whitepaper and/or website:

- 35% - Presale
- 5% - Private sale
- 5% - Team
- 7.8% - Seed sale
- 29.7% - Burn

- ● Marketing
- ● Mining Pool
- ● Liquidity
- ● Development
- ● Private Sale

26.0%

40.0%

30.0%
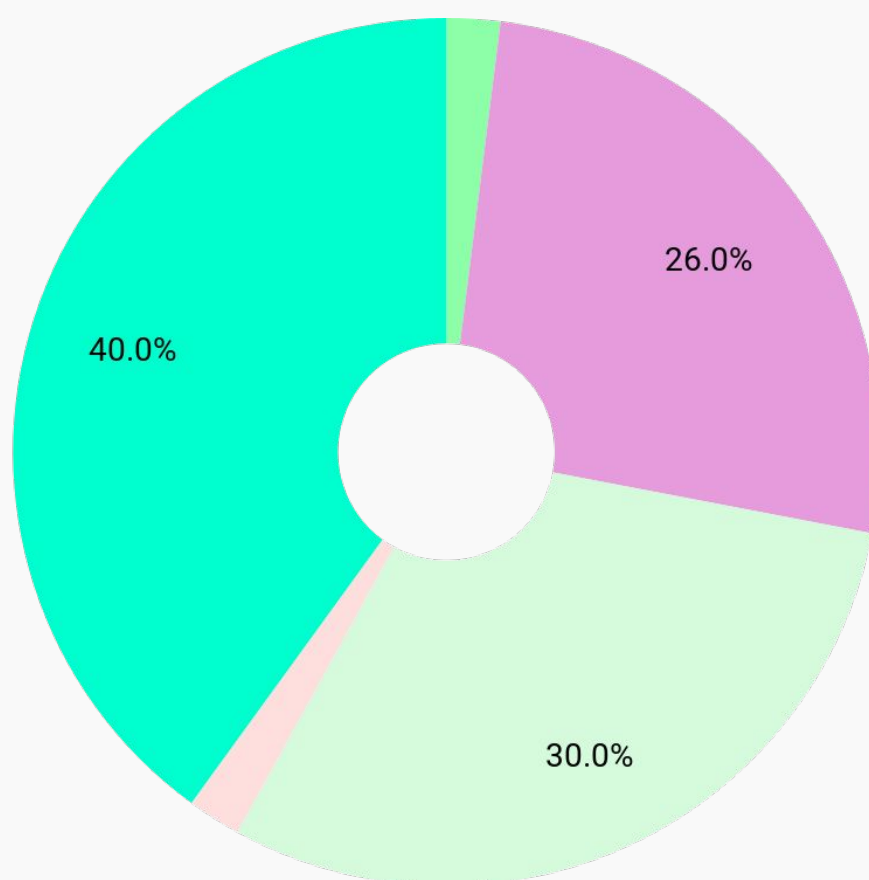
THE TEAM

The team at SAFUFIDE has privately doxxed to SPYWOLF by completing the following KYC requirements:

- ID Verification
- Video statement
- Video interview with devs
- Owner's wallet verification

KYC INFORMATION

Issuer

SPYWOLF

Members

KYC Date

May 25, 2022

Format

NFT

SpyWolf

KYC CERTIFICATE

This is to certify that

SKIPPING

0x365d8aa8ad5f4d832240dc9e749df8ba7f4b8415

Has passed the KYC verification process on

June 3, 2022

SpyWolf.Network

ALWAYS REVIEW AUDIT BEFORE INVESTING

KYC CERTIFICATE · VERIFIED BY SPYWOLF

Certificate Link

https://spywolf.network/assets/kyc/2022/june/KYC_SKIPPING_0x36
5d8aa8ad5f4d832240dc9e749df8ba7f4b8415

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WEBSITE

Website URL
https://safufide.io

Domain Registry
https://www.godaddy.com

Domain Expiration
May 3, 2025

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

Design
Very nice color scheme and overall layout.

Content
The information helps new investors understand what the product does right away. No grammar errors found. .

Whitepaper
Well written but a bit short

Roadmap
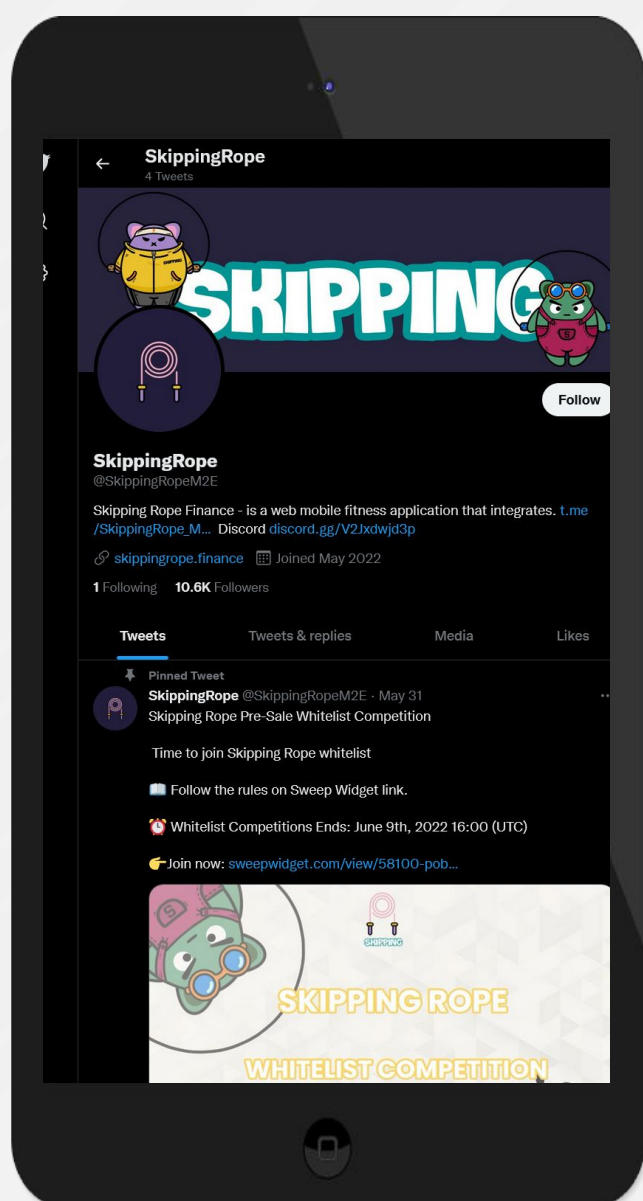Yes

Mobile-friendly?
Yes

skippingrope.finance

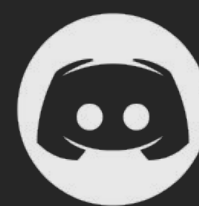# SOCIAL MEDIA
& ONLINE PRESENCE

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent consectetur cursus libero quis euismod. Morbi congue felis sed nulla accumsan tincidunt. Etiam quis efficitur lacus.

Twitter
https://safufide.io

- 3449 followers
- Responds to comments
- Daily posts

Discord
https://safufide.io

- Not available

Telegram
https://safufide.io

- 8119 members
- Active mods and devs
- Daily announcements

Medium
https://safufide.io

- Not available

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SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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- ✔ MILLIONS SAVED IN POTENTIAL FRAUD

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To hire us, reach out to contact@spywolf.co or t.me/joe_SpyWolf

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.